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Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. OMRF 182 DIV
First Inventor Gerald Koelsch
Title INHIBITORS OF MEMAPSIN 2 AND USE THEREOF
Express Mail Label No. EL 709 418 840 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- ☒ Applicant claims small entity status.
See 37 CFR 1.27.
- ☒ Specification [Total Pages 59]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 12]
- ☒ Oath or Declaration [Total Pages 8]
 - ☒ Newly executed (original or copy)
 - ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 17 completed)
 - ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - ☐ Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - ☐ CD-ROM or CD-R (2 copies); or
 - ☒ paper
- ☒ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations 2 references
- ☒ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☒ Other: Copies of two recorded Assignments from parent application U.S.S.N. 09/603,713
Check for \$355.00

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: 09 / 603,713

Prior application information:

Examiner Not yet assigned

Group / Art Unit: 1614

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

23579

or ☐ Correspondence address below

Name	Patrea L. Pabst PATENT TRADEMARK OFFICE Arnall Golden & Gregory, LLP				
Address	2800 One Atlantic Center 1201 West Peachtree Street				
City	Atlanta	State	GA	Zip Code	30309-3450
Country	United States	Telephone	(404) 873-8794	Fax	(404) 873-8795

Name (Print/Type)	Patrea L. Pabst	Registration No. (Attorney/Agent)	31,284
Signature		Date	1/30/2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

OMRF 182 DIV 20487/277

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FEE TRANSMITTAL
for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$355.00)**Complete if Known**

Application Number	Divisional of 09/603,713
Filing Date	April 30, 2001
First Named Inventor	Gerald Koelsch
Examiner Name	
Group Art Unit	
Attorney Docket No.	OMRF 182 DIV

METHOD OF PAYMENT (check one)

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 01-2507
 Deposit Account Name: Amall Golden & Gregory, LLP

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17☒ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:**

☒ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	710.00
106 320	206 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$355.00)**2. EXTRA CLAIM FEES**

Total Claims: 6 - 20 = 0 x Fee from below = 0
 Independent Claims: 1 - 3 = 0 x Fee from below = 0
 Multiple Dependent: 0 x Fee from below = 0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim, if not paid
109 80	209 40	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$0)**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,240	241 620	Petition to revive - unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Petitions related to provisional applications	
126 240	126 240	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**SUBMITTED BY**

Name (Print/Type) Patrea L. Pabst

Registration No. (Attorney/Agent) 31,284

Complete (if applicable)

Telephone (404) 873-8794

Signature

Date 4/30/2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Gerald Koelsch, Jordan J. N. Tang, Lin Hong, and Arun K. Ghosh

Serial No.: Divisional of 09/603,713

Express Mail Label

No. EL 709 418 840 US

Date of Deposit: April 30, 2001

Filed: April 30, 2001

For: INHIBITORS OF MEMAPSIN 2 AND USE THEREOF

BOX PATENT APPLICATION

Assistant Commissioner for Patents

Washington, D.C. 20231

**REQUEST FOR FILING A DIVISIONAL APPLICATION
UNDER 37 C.F.R. § 1.53(b)**

Sir:

Pursuant to 35 U.S.C. § 21(a), as amended by Public Law 97-247, and 37 C.F.R. §§ 1.10 and 1.53(b), applicants enclose for filing the new divisional patent application entitled "*Inhibitors of Memapsin 2 and Use Thereof*" by Gerald Koelsch, Jordan J. N. Tang, Lin Hong, and Arun K. Ghosh, which is a divisional of pending prior application U.S. Serial No. 09/603,713 filed June 27, 2000. The application includes 1 page of abstract, 56 pages of specification, 2 pages of claims, 12 sheets of formal drawings, and an unexecuted Declaration for Patent Application.

A Preliminary Amendment and an Information Disclosure Statement are enclosed.

Please preliminarily amend the application in accordance with the Preliminary Amendment.

Divisional of U.S.S.N. 09/603,713
Filed: April 30, 2001
**REQUEST FOR FILING A DIVISIONAL
APPLICATION UNDER 37 C.F.R. § 1.53(b)**
Express Mail Label No.: EL 709 418 840 US
Date of Deposit: April 30, 2001

The inventorship for the claims in the new application is not the same as in parent application U.S. Serial No. 09/603,713, and applicants have noted the addition of inventors Gerald Koelsch and Lin Hong pursuant to 37 C.F.R. § 1.53(b)(2).

This application contains nucleic acid and/or protein sequences as defined in 37 C.F.R. §§ 1.821-1.825. The sequence listing for the new application is identical to the sequence listing for the parent application U.S. Serial No. 09/603,713 filed June 27, 2000, by Jordan J. N. Tang and Arun K. Ghosh. A sequence listing in computer readable form was submitted June 27, 2000, in application U.S. Serial No. 09/603,713 filed June 27, 2000. No subsequent sequence listing was submitted.

Pursuant to 37 C.F.R. § 1.821(e), applicants hereby request that the computer readable form of the sequence listing submitted in application U.S. Serial No. 09/603,713 be used as the computer readable form of the sequence listing for the new application.

I declare that the material on the diskette is identical to the paper copy of the Sequence Listing present in the above-identified parent application, and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Also enclosed from prior application U.S. Serial No. 09/603,713 are copies of the (1) executed Statement Under 37 C.F.R. § 3.73(b) by Oklahoma Medical Research Foundation;

Divisional of U.S.S.N. 09/603,713
Filed: April 30, 2001
**REQUEST FOR FILING A DIVISIONAL
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(2) executed Statement Under 37 C.F.R. § 3.73(b) by The Board of Trustees of the University of Illinois; (3) Assignment from Jordan J. N. Tang to Oklahoma Medical Research Foundation, recorded on September 1, 2000, at Reel 011083, Frame 0816; and (4) Assignment from Arun K. Ghosh to The Board of Trustees of the University of Illinois, recorded on September 1, 2000, at Reel 011083, Frame 0788.

Submitted with the new application are a (1) check in the amount of \$355.00 and a request to charge our Deposit Order Account No. 01-2507 for \$355.00 to cover the filing fee for a small entity; (2) Fee Transmittal (PTO/SB/17); and (3) Utility Patent Application Transmittal (PTO/SB/45). It is believed that \$710.00 is the proper filing fee for a small entity, as the application includes 1 independent claim and a total of 6 claims after entry of the enclosed Preliminary Amendment.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2507. To facilitate this process, applicants have enclosed a duplicate of this letter.

The power of attorney in the prior application is to Patrea L. Pabst, Registration No. 31,284.

This application is being filed on April 30, 2001, by mailing the application to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231 via the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 C.F.R. § 1.10.

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Divisional of U.S.S.N. 09/603,713
Filed: April 30, 2001
**REQUEST FOR FILING A DIVISIONAL
APPLICATION UNDER 37 C.F.R. § 1.53(b)**
Express Mail Label No.: EL 709 418 840 US
Date of Deposit: April 30, 2001

All correspondence concerning this application should be mailed to:



Patrea L. Pabst, Esq.
ARNALL GOLDEN & GREGORY, LLP
2800 One Atlantic Center
1201 West Peachtree Street
Atlanta, GA 30309-3450

Respectfully submitted,

A handwritten signature in black ink, appearing to be "P. L. Pabst", written over a horizontal line.

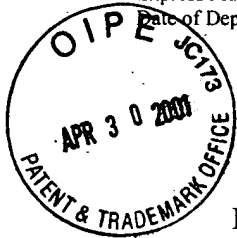
Patrea L. Pabst
Reg. No. 31,284

Date: April 30, 2001

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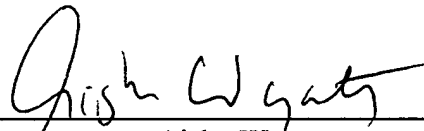
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Divisional of U.S.S.N. 09/603,713
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CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this paper and any documents referred to as attached or enclosed are being deposited with the United States Postal Service on this date, April 30, 2001, in an envelope as "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Number EL 709 418 840 US addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.


Aisha Wyatt

Date: April 30, 2001

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